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NOTICE OF ALLOWANCE AND FEE(S) DUE

28120

7590

01/28/2009

ROPES & GRAY LLP PATENT DOCKETING 39/41 ONE INTERNATIONAL PLACE BOSTON, MA 02110-2624 EXAMINER

NGUYEN, QUANG N

ART UNIT PAPER NUMBER

2441

DATE MAILED: 01/28/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-----------------------|---------------------|------------------|
| 09/938.921 | 08/24/2001 | Walter Clark Milliken | BBNT-P01-128 | 3501 |

TITLE OF INVENTION: TERNARY CONTENT ADDRESSABLE MEMORY EMBEDDED IN A CENTRAL PROCESSING UNIT

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$0 | \$0 | \$1510 | 04/28/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

| appropriate. All further indicated unless correct maintenance fee notifica | correspondence includir ed below or directed oth | ng the Patent, advance on herwise in Block 1, by (a | rders and notification of ra a) specifying a new corres | naintenance fees v pondence address | vill be and/o | mailed to the current (b) indicating a sepa | correspondence address as trate "FEE ADDRESS" for |
|--|--|--|--|---|--|--|---|
| CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. | | | |
| 28120 | 7590 01/28 | /2009 | nuv | | | e of Mailing or Trans | |
| | KETING 39/41 ATIONAL PLACE | | I he Stat addi tran: | reby certify that the | is Fee(| s) Transmittal is being | g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below. |
| BOSTON, MA | 02110-2624 | | | | | | (Depositor's name) |
| | | | | | | | (Signature) |
| | | | L | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | | ATTC | RNEY DOCKET NO. | CONFIRMATION NO. |
| 09/938,921 | 08/24/2001 | | Walter Clark Milliken | | Е | BNT-P01-128 | 3501 |
| TITLE OF INVENTION | I: TERNARY CONTEN | Γ ADDRESSABLE MEM | MORY EMBEDDED IN A | CENTRAL PROC | ESSIN | G UNIT | |
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| nonprovisional | NO | \$1510 | \$0 | \$0 | | \$1510 | 04/28/2009 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | |
| NGUYEN, | QUANG N | 2441 | 709-243000 | | | | |
| Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | |
| PLEASE NOTE: Un | less an assignee is ident th in 37 CFR 3.11. Comp | ified below, no assignee | T a substitute for filing an (B) RESIDENCE: (CITY | atent. If an assign assignment. and STATE OR (| COUNT | TRY) | ocument has been filed for |
| Please check the appropr | riate assignee category or | categories (will not be pr | rinted on the patent): \Box | Individual 🖵 C | orporat | on or other private gro | oup entity 🗖 Government |
| 4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies | | | 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). | | | | |
| 5. Change in Entity Sta | ` | · · · · · · · · · · · · · · · · · · · | n | | | | |
| •• | s SMALL ENTITY state | | b. Applicant is no long | | | | FR 1.27(g)(2). ne assignee or other party in |
| interest as shown by the | records of the United Sta | tes Patent and Trademark | COffice. | пе аррпсані, а гед. | istered | attorney of agent, of the | e assignee of other party in |
| Authorized Signature | | | | Date | | | |
| Typed or printed name | | | | Registration N | No | | |
| This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 | tiality is governed by 35 dapplication form to the ions for reducing this bu. Virginia 22313-1450. DC | FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the DONOT SEND FEES OR | on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO | etain a benefit by t imated to take 12 idual case. Any co r, U.S. Patent and D THIS ADDRESS | he pub minute: ommen Trader S. SEN | lic which is to file (and to complete, including to on the amount of times to ark Office, U.S. Depart D TO: Commissioner | I by the USPTO to process) g gathering, preparing, and ne you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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| 09/938,921 | 08/24/2001 | Walter Clark Milliken | BBNT-P01-128 3501 | | |
| 28120 75 | 590 01/28/2009 | | EXAMINER | | |
| ROPES & GRAY LLP | | | NGUYEN, | QUANG N | |
| PATENT DOCKETING 39/41 ONE INTERNATIONAL PLACE BOSTON, MA 02110-2624 | | ART UNIT | T PAPER NUMBER | | |
| | | 2441 | | | |
| BOSTON MA 02 | 110-2624 | | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1478 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1478 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | |
|--|--|---|-------|
| | 09/938,921 | MILLIKEN ET AL. | |
| Notice of Allowability | Examiner | Art Unit | |
| | QUANG N. NGUYEN | 2441 | |
| The MAILING DATE of this communication application application application and All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOLNOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3 | IS (OR REMAINS) CLOSED in the state of the s | nis application. If not included cation will be mailed in due course. | |
| 1. 🔀 This communication is responsive to the BPAI Decision | n mailed 11/14/2008. | | |
| 2. ☑ The allowed claim(s) is/are <u>1-15 and 20</u> . | | | |
| 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents h 2. Certified copies of the priority documents h | ave been received. ave been received in Application | No | |
| 3. Copies of the certified copies of the priority | documents have been received i | n this national stage application from | n the |
| International Bureau (PCT Rule 17.2(a)). * Certified copies not received: | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DAT noted below. Failure to timely comply will result in ABANDO THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be su INFORMAL PATENT APPLICATION (PTO-152) which is | NMENT of this application. bmitted. Note the attached EXAN | IINER'S AMENDMENT or NOTICE | |
| <u> </u> | . , . | ecialation is deficient. | |
| CORRECTED DRAWINGS (as "replacement sheets") r (a) ☐ including changes required by the Notice of Draftsp | | PTO-948) attached | |
| (a) ☐ including changes required by the Notice of Dransp 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | · · | r 10-940) attached | |
| (b) ☐ including changes required by the attached Examir Paper No./Mail Date | | the Office action of | |
| ldentifying indicia such as the application number (see 37 CF each sheet. Replacement sheet(s) should be labeled as such | | | f |
| DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMENT | | | |
| | | | |
| Attachment(s) | 5 | med Detect Applie 2 | |
| Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-94) | | mal Patent Application | |
| Information Disclosure Statements (PTO/SB/08), | Paper No./M | ail Date mendment/Comment | |
| Paper No./Mail Date | | | |
| Examiner's Comment Regarding Requirement for Depos of Biological Material | _ | atement of Reasons for Allowance | |
| | 9. ☐ Other | | |
| | /Quang N. Nguye Primary Examine | | |

Art Unit: 2441

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

2. Based on the decision of the Board of Patent Appeals and Interferences (BPAI)

mailed 11/14/2008 (i.e., Affirmed in Part), claims 1-15 and 20 are allowed and claims

16, 18, 19 and 21 are rejected.

3. Please cancel claims 16, 18, 19 and 21 (since the rejection of claims 16, 18, 19

and 21 are sustained by the decision of the BPAI).

4. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should clearly labeled "Comments on

Examiner's Amendment".

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Art Unit: 2441

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Quang N. Nguyen whose telephone number is (571)

272-3886.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

SPE, Rupal Dharia, can be reached at (571) 272-3880. The fax phone number for the

organization is (571) 273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Quang N. Nguyen/

Primary Examiner, Art Unit 2441